

# Global Freezing Pen Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Freezing Pen market size was valued at US\$ 267 million in 2025 and is forecast to a readjusted size of US\$ 399 million by 2032 with a CAGR of 6.0% during review period.

Global freezing pen production in 2025 is 153,000 units, with an average price of US\$1,600 per unit.

Freezing Pen, also known as Freeze Pen, is a medical device used in cryotherapy for the removal of benign skin lesions like warts, skin tags, and age spots. It works by delivering a precise, focused blast of extremely cold gas, typically nitrous oxide, to freeze and destroy the targeted tissue.

The upstream of freezing pens mainly includes suppliers of medical liquid nitrogen, medical nitrous oxide, precision metal nozzles and needles, medical valves and micro-gas circuit components, and medical device-grade housings and seals. Representative companies include Air Liquide, Praxair, Nippon Sanso, Swagelok, and Parker Hannifin. Downstream demand is primarily concentrated in dermatology chain hospitals, aesthetic medicine institutions, maternal and infant hospitals, dermatology prevention and treatment centers, and primary community health stations. Typical clients include Dermatology Specialists, SkinCeuticals Clinics, DermTech Clinics, Guosai Dermatology Medical, and Ruili Medical Aesthetics. Downstream demand centers on localized cryotherapy, covering warts, skin tags, pigmented lesions, vascular lesions, and the management of mild tumors, extending to minor aesthetic treatments. The rapid expansion of aesthetic medicine institutions in China, Southeast Asia, and Latin America has increased the demand for low-cost, easy-to-use cryotherapy pens.

Industry trends are characterized by rapid growth in demand for disposable freezing pens, the rise of portable devices to replace carbon dioxide or liquid nitrogen tanks, high-frequency consumption due to shorter procedures in aesthetic and minimally invasive medical treatments, exploratory penetration of home skin care devices, and the emergence of smart cryopens driven by increased compliance and traceability requirements. Driving factors include the expansion of the aesthetic medicine market, an increase in dermatology patients, expansion of primary healthcare facilities, a growing preference for lightweight treatments, and shorter repurchase cycles due to the disposable nature of equipment. Obstacles mainly include transportation and storage restrictions on liquid nitrogen and N<sub>2</sub>O, price competition from low-end products, stricter regulations on aesthetic medicine in some countries, cost fluctuations of disposable cryotherapy agents, and the gradual replacement of some treatments by lasers.

The industry's annual production capacity for a single production line is typically between 150,000 and 300,000 units, with gross profit margins generally between 28% and 45%.

This report is a detailed and comprehensive analysis for global Freezing Pen market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Freezing Pen market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Freezing Pen market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Freezing Pen market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Freezing Pen market shares of main players, shipments in revenue (\$ Million),

sales quantity (Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Freezing Pen

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Freezing Pen market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include H&O Equipments, CryoIQ, CryoConcepts, Delasco, Cortex Technology, Cryoswiss, CryoSuccess, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market Segmentation

Freezing Pen market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Nitrous Oxide (N<sub>2</sub>O) Cryo Pen

Liquid Nitrogen (LN<sub>2</sub>) Cryo Pen

Carbon Dioxide (CO<sub>2</sub>) Cryo Pen

#### Market segment by Risk Level

Class I

Class II

Class III

#### Market segment by Cartridges

8g

16g

#### Market segment by Application

Dermatology

Aesthetics

Gynecology

Podiatry

Veterinary Medicine

Other

#### Major players covered

H&O Equipments

CryolQ

CryoConcepts

Delasco

Cortex Technology

Cryoswiss

CryoSuccess

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Freezing Pen product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Freezing Pen, with price, sales quantity, revenue, and global market share of Freezing Pen from 2021 to 2026.

Chapter 3, the Freezing Pen competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Freezing Pen breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales

quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Freezing Pen market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Freezing Pen.

Chapter 14 and 15, to describe Freezing Pen sales channel, distributors, customers, research findings and conclusion.

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